

Abstract

The invention encompasses methods and products related to genotyping. The method of genotyping of the invention is based on the use of single nucleotide polymorphisms (SNPs) to
5 perform high throughput genome scans. The high throughput method can be performed by hybridizing SNP allele-specific oligonucleotides and a reduced complexity genome (RCG). The invention also relates to methods of preparing the SNP specific oligonucleotides and RCGs, methods of fingerprinting, determining allele frequency for a SNP, characterizing tumors, generating a genomic classification code for a genome, identifying previously unknown SNPs,
10 and related compositions and kits.

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